

(4) Sea-based stations may utilize antennas mounted not more than 7 meters (20 feet) above a man-made supporting structure, including antenna structures.

(5) Continuous carrier operations are prohibited on these frequencies.

(6) Unless specified elsewhere in this part, licensees as of August 5, 1999, licensed for operations with an emission designator wider than 11.25 kHz on low power frequencies that are subject to an authorized bandwidth of 11.25 kHz, may obtain primary status with respect to co-channel licensees by supplying their coordinates to the Commission. These licensees will continue to operate on a secondary basis with respect to adjacent channel licensees. Additionally, these licensees may continue to operate with an authorized bandwidth wider than 11.25 kHz on such low power frequencies, subject to the provisions of § 90.209(b) of this chapter.

(7) Unless specified elsewhere in this part, licensees as of August 5, 1999, licensed for operations with an emission designator wider than 11.25 kHz on frequencies that are subject to an authorized bandwidth of 11.25 kHz, which are not low power frequencies, may obtain primary status with respect to co-channel licensees by modifying their license to low power frequencies, supplying their coordinates to the Commission, and otherwise complying with the conditions of paragraphs (b) through (g) of this section. These licensees will continue to operate on a secondary basis with respect to adjacent channel licensees. Additionally, these licensees may continue to operate with an authorized bandwidth wider than 11.25 kHz on such low power frequencies, subject to the provisions of § 90.209(b) of this chapter.

(8) Applicants proposing to operate with an authorized bandwidth wider than 11.25 kHz, on low power frequencies that are subject to an authorized bandwidth of 11.25 kHz, may be licensed on a secondary, non-interference basis. Such applicants are subject to the conditions of paragraphs (b) through (g) of this section and the provisions of § 90.209(b) of this chapter.

[68 FR 19461, Apr. 21, 2003; 68 FR 55319, Sept. 25, 2003, as amended at 69 FR 4254, Jan. 29, 2004]

§ 90.269 Use of frequencies for self-powered vehicle detectors.

(a) Frequencies subject to § 90.20(d)(22) may be used for the operation of self-powered vehicle detectors by licensees of base/mobile stations in the Public Safety Pool in accordance with the following conditions:

(1) All stations are limited to 100 milliwatts carrier power and 20K00F7W, 20K00F7X, 20K00F8W, 20K00F8X, 20K00F9W or 20K00F9X emissions. The frequency deviation shall not exceed 5 kHz. No more than two 30 ms. pulses may be emitted for each vehicle sensed.

(2) The transmitters must be crystal controlled with a frequency tolerance of plus or minus .005% from –20° to plus 50 °C. They must be certificated.

(3) The total length of the transmission line plus antenna may not exceed one-half wavelength and must be integral with the unit.

(4) All operation shall be on a secondary, non-interference basis.

(b) [Reserved]

[48 FR 54982, Dec. 8, 1983, as amended at 54 FR 38681, Sept. 20, 1989; 62 FR 18929, Apr. 17, 1997; 63 FR 36610, July 7, 1998]

§ 90.273 Availability and use of frequencies in the 421–430 MHz band.

The frequency bands 422.1875–425.4875 MHz and 427.1875–429.9875 MHz are available for use in the Detroit, Michigan and Cleveland, Ohio areas. The bands 423.8125–425.4875 MHz and 428.8125–429.9875 MHz are available for use in the Buffalo, New York area. Sections 90.273 through 90.281 address the specific rules applicable to these bands. Use of these bands is also subject to the general technical standards and application procedures contained in other subparts of part 90. The technical standards applicable in this band are the same as those contained in subpart I of part 90 for the 450–470 MHz band. Private land mobile use of these frequencies is subject to accepting any interference from Federal Government radiolocation operations.

(a) The following tables list frequencies available for assignment in the Public Safety and Industrial/Business Pools as indicated. In the tables, the Public Safety Pool frequencies are denoted as “PS” and the Industrial/

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Business Pool frequencies are denoted as “IB.” The frequencies 422.19375 MHz through 424.99375 MHz are paired with frequencies 427.19375 MHz through 429.99375 MHz, respectively. Only the lower half of each frequency pair, available for base station operation, is listed in the tables. Corresponding mobile and control station frequencies are 5 MHz higher than the base station frequency. The frequencies 425.000 through 425.48125 are unpaired and are available for either single frequency dispatch or paging operations.

TABLE 1—CHANNELS AVAILABLE IN DETROIT AND CLEVELAND AREAS ONLY

| Frequency (MHz) | Pool in which assigned |
|------------------|------------------------|
| Paired channels: | |
| 422.19375 * | IB |
| 422.200 | IB |
| 422.20625 * | IB |
| 422.21250 | IB |
| 422.21875 * | IB |
| 422.225 | IB |
| 422.23125 * | IB |
| 422.23750 | IB |
| 422.24375 * | IB |
| 422.250 | IB |
| 422.25625 * | IB |
| 422.26250 | IB |
| 422.26875 * | IB |
| 422.275 | IB |
| 422.28125 * | IB |
| 422.28750 | IB |
| 422.29375 * | IB |
| 422.300 | IB |
| 422.30625 * | IB |
| 422.31250 | IB |
| 422.31875 * | IB |
| 422.325 | IB |
| 422.33125 * | IB |
| 422.33750 | IB |
| 422.34375 * | IB |
| 422.350 | IB |
| 422.35625 * | IB |
| 422.36250 | IB |
| 422.36875 * | IB |
| 422.375 | IB |
| 422.38125 * | IB |
| 422.38750 | IB |
| 422.39375 * | IB |
| 422.400 | IB |
| 422.40625 * | IB |
| 422.41250 | IB |
| 422.41875 * | IB |
| 422.425 | IB |
| 422.43125 * | IB |
| 422.43750 | IB |
| 422.44375 * | IB |
| 422.450 | IB |
| 422.45625 * | IB |
| 422.46250 | IB |
| 422.46875 * | IB |
| 422.475 | IB |
| 422.48125 * | IB |
| 422.48750 | IB |
| 422.49375 * | IB |
| 422.500 | IB |

TABLE 1—CHANNELS AVAILABLE IN DETROIT AND CLEVELAND AREAS ONLY—Continued

| Frequency (MHz) | Pool in which assigned |
|-----------------|------------------------|
| 422.50625 * | IB |
| 422.51250 | IB |
| 422.51875 * | IB |
| 422.525 | IB |
| 422.53125 * | IB |
| 422.53750 | IB |
| 422.54375 * | IB |
| 422.550 | IB |
| 422.55625 * | IB |
| 422.56250 | IB |
| 422.56875 * | IB |
| 422.575 | IB |
| 422.58125 * | IB |
| 422.58750 | IB |
| 422.59375 * | IB |
| 422.600 | IB |
| 422.60625 * | IB |
| 422.61250 | IB |
| 422.61875 * | IB |
| 422.625 | IB |
| 422.63125 * | IB |
| 422.63750 | IB |
| 422.64375 * | IB |
| 422.650 | IB |
| 422.65625 * | IB |
| 422.66250 | IB |
| 422.66875 * | IB |
| 422.675 | IB |
| 422.68125 * | IB |
| 422.68750 | IB |
| 422.69375 * | IB |
| 422.700 | IB |
| 422.70625 * | IB |
| 422.71250 | IB |
| 422.71875 * | IB |
| 422.725 | IB |
| 422.73125 * | IB |
| 422.73750 | IB |
| 422.74375 * | IB |
| 422.750 | IB |
| 422.75625 * | IB |
| 422.76250 | IB |
| 422.76875 * | IB |
| 422.775 | IB |
| 422.78125 * | IB |
| 422.78750 | IB |
| 422.79375 * | IB |
| 422.800 | IB |
| 422.80625 * | IB |
| 422.81250 | IB |
| 422.81875 * | IB |
| 422.825 | IB |
| 422.83125 * | IB |
| 422.83750 | IB |
| 422.84375 * | IB |
| 422.850 | IB |
| 422.85625 * | IB |
| 422.86250 | IB |
| 422.86875 * | IB |
| 422.875 | IB |
| 422.88125 * | IB |
| 422.88750 | IB |
| 422.89375 * | IB |
| 422.900 | IB |
| 422.90625 * | IB |
| 422.91250 | IB |
| 422.91875 * | IB |
| 422.925 | IB |
| 422.93125 * | IB |
| 422.93750 | IB |

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TABLE 1—CHANNELS AVAILABLE IN DETROIT AND CLEVELAND AREAS ONLY—Continued

| Frequency (MHz) | Pool in which assigned |
|-----------------|------------------------|
| 422.94375 * | IB |
| 422.950 | IB |
| 422.95625 * | IB |
| 422.96250 | IB |
| 422.96875 * | IB |
| 422.975 | IB |
| 422.98125 * | IB |
| 422.98750 | IB |
| 422.99375 * | IB |
| 423.000 | PS |
| 423.00625 * | PS |
| 423.01250 | PS |
| 423.01875 * | PS |
| 423.025 | PS |
| 423.03125 * | PS |
| 423.03750 | PS |
| 423.04375 * | PS |
| 423.050 | PS |
| 423.05625 * | PS |
| 423.06250 | PS |
| 423.06875 * | PS |
| 423.075 | PS |
| 423.08125 * | PS |
| 423.08750 | PS |
| 423.09375 * | PS |
| 423.100 | PS |
| 423.10625 * | PS |
| 423.11250 | PS |
| 423.11875 * | PS |
| 423.125 | PS |
| 423.13125 * | PS |
| 423.13750 | PS |
| 423.14375 * | PS |
| 423.150 | PS |
| 423.15625 * | PS |
| 423.16250 | PS |
| 423.16875 * | PS |
| 423.175 | PS |
| 423.18125 * | PS |
| 423.18750 | PS |
| 423.19375 * | PS |
| 423.200 | PS |
| 423.20625 * | PS |
| 423.21250 | PS |
| 423.21875 * | PS |
| 423.225 | PS |
| 423.23125 * | PS |
| 423.23750 | PS |
| 423.24375 * | PS |
| 423.250 | PS |
| 423.25625 * | PS |
| 423.26250 | PS |
| 423.26875 * | PS |
| 423.275 | PS |
| 423.28125 * | PS |
| 423.28750 | PS |
| 423.29375 * | PS |
| 423.300 | PS |
| 423.30625 * | PS |
| 423.31250 | PS |
| 423.31875 * | PS |
| 423.325 | PS |
| 423.33125 * | PS |
| 423.33750 | PS |
| 423.34375 * | PS |
| 423.350 | PS |
| 423.35625 * | PS |
| 423.36250 | PS |
| 423.36875 * | PS |
| 423.375 | PS |

TABLE 1—CHANNELS AVAILABLE IN DETROIT AND CLEVELAND AREAS ONLY—Continued

| Frequency (MHz) | Pool in which assigned |
|-----------------|------------------------|
| 423.38125 * | PS |
| 423.38750 | PS |
| 423.39375 * | PS |
| 423.400 | PS |
| 423.40625 * | PS |
| 423.41250 | PS |
| 423.41875 * | PS |
| 423.425 | PS |
| 423.43125 * | PS |
| 423.43750 | PS |
| 423.44375 * | PS |
| 423.450 | PS |
| 423.45625 * | PS |
| 423.46250 | PS |
| 423.46875 * | PS |
| 423.475 | PS |
| 423.48125 * | PS |
| 423.48750 | PS |
| 423.49375 * | PS |
| 423.500 | PS |
| 423.50625 * | PS |
| 423.51250 | PS |
| 423.51875 * | PS |
| 423.525 | PS |
| 423.53125 * | PS |
| 423.53750 | PS |
| 423.54375 * | PS |
| 423.550 | PS |
| 423.55625 * | PS |
| 423.56250 | PS |
| 423.56875 * | PS |
| 423.575 | PS |
| 423.58125 * | PS |
| 423.58750 | PS |
| 423.59375 * | PS |
| 423.600 | PS |
| 423.60625 * | PS |
| 423.61250 | PS |
| 423.61875 * | PS |
| 423.625 | PS |
| 423.63125 * | PS |
| 423.63750 | PS |
| 423.64375 * | PS |
| 423.650 | PS |
| 423.65625 * | PS |
| 423.66250 | PS |
| 423.66875 * | PS |
| 423.675 | PS |
| 423.68125 * | PS |
| 423.68750 | PS |
| 423.69375 * | PS |
| 423.700 | PS |
| 423.70625 * | PS |
| 423.71250 | PS |
| 423.71875 * | PS |
| 423.725 | PS |
| 423.73125 * | PS |
| 423.73750 | PS |
| 423.74375 * | PS |
| 423.750 | PS |
| 423.75625 * | PS |
| 423.76250 | PS |
| 423.76875 * | PS |
| 423.775 | PS |
| 423.78125 * | PS |
| 423.78750 | PS |
| 423.79375 * | PS |
| 423.800 | PS |
| 423.80625 * | PS |

*This frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

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**TABLE 2—CHANNELS AVAILABLE IN BUFFALO,
DETROIT AND CLEVELAND AREAS**

| Frequency (MHz) | Pool in which assigned |
|------------------|------------------------|
| Paired channels: | |
| 423.81875 * | PS |
| 423.825 | PS |
| 423.83125 * | PS |
| 423.83750 | PS |
| 423.84375 * | PS |
| 423.850 | PS |
| 423.85625 * | PS |
| 423.86250 | PS |
| 423.86875 * | PS |
| 423.875 | PS |
| 423.88125 * | PS |
| 423.88750 | PS |
| 423.89375 * | PS |
| 423.900 | PS |
| 423.90625 * | PS |
| 423.91250 | PS |
| 423.91875 * | PS |
| 423.925 | PS |
| 423.93125 * | PS |
| 423.93750 | PS |
| 423.94375 * | PS |
| 423.950 | PS |
| 423.95625 * | PS |
| 423.96250 | PS |
| 423.96875 * | PS |
| 423.975 | PS |
| 423.98125 * | PS |
| 423.98750 | PS |
| 423.99375 * | PS |
| 424.000 | PS |
| 424.00625 * | PS |
| 424.01250 | PS |
| 424.01875 * | PS |
| 424.025 | PS |
| 424.03125 * | PS |
| 424.03750 | PS |
| 424.04375 * | PS |
| 424.050 | PS |
| 424.05625 * | PS |
| 424.06250 | PS |
| 424.06875 * | PS |
| 424.075 | PS |
| 424.08125 * | PS |
| 424.08750 | PS |
| 424.09375 * | PS |
| 424.100 | PS |
| 424.10625 * | PS |
| 424.11250 | PS |
| 424.11875 * | PS |
| 424.125 | PS |
| 424.13125 * | PS |
| 424.13750 | PS |
| 424.14375 * | PS |
| 424.150 | PS |
| 424.15625 * | PS |
| 424.16250 | PS |
| 424.16875 * | PS |
| 424.175 | PS |
| 424.18125 * | PS |
| 424.18750 | PS |
| 424.19375 * | PS |
| 424.200 | PS |
| 424.20625 * | PS |
| 424.21250 | PS |
| 424.21875 * | PS |
| 424.225 | PS |
| 424.23125 * | PS |
| 424.23750 | PS |
| 424.24375 * | PS |

**TABLE 2—CHANNELS AVAILABLE IN BUFFALO,
DETROIT AND CLEVELAND AREAS—Continued**

| Frequency (MHz) | Pool in which assigned |
|-----------------|------------------------|
| 424.250 | PS |
| 424.25625 * | PS |
| 424.26250 | PS |
| 424.26875 * | PS |
| 424.275 | PS |
| 424.28125 * | PS |
| 424.28750 | PS |
| 424.29375 * | PS |
| 424.300 | PS |
| 424.30625 * | PS |
| 424.31250 | PS |
| 424.31875 * | PS |
| 424.325 | PS |
| 424.33125 * | PS |
| 424.33750 | PS |
| 424.34375 * | PS |
| 424.350 | PS |
| 424.35625 * | PS |
| 424.36250 | PS |
| 424.36875 * | PS |
| 424.375 | PS |
| 424.38125 * | PS |
| 424.38750 | PS |
| 424.39375 * | PS |
| 424.400 | IB |
| 424.40625 * | IB |
| 424.41250 | IB |
| 424.41875 * | IB |
| 424.425 | IB |
| 424.43125 * | IB |
| 424.43750 | IB |
| 424.44375 * | IB |
| 424.450 | IB |
| 424.45625 * | IB |
| 424.46250 | IB |
| 424.46875 * | IB |
| 424.475 | IB |
| 424.48125 * | IB |
| 424.48750 | IB |
| 424.49375 * | IB |
| 424.500 | IB |
| 424.50625 * | IB |
| 424.51250 | IB |
| 424.51875 * | IB |
| 424.525 | IB |
| 424.53125 * | IB |
| 424.53750 | IB |
| 424.54375 * | IB |
| 424.550 | IB |
| 424.55625 * | IB |
| 424.56250 | IB |
| 424.56875 * | IB |
| 424.575 | IB |
| 424.58125 * | IB |
| 424.58750 | IB |
| 424.59375 * | IB |
| 424.600 | IB |
| 424.60625 * | IB |
| 424.61250 | IB |
| 424.61875 * | IB |
| 424.625 | IB |
| 424.63125 * | IB |
| 424.63750 | IB |
| 424.64375 * | IB |
| 424.650 | IB |
| 424.65625 * | IB |
| 424.66250 | IB |
| 424.66875 * | IB |
| 424.675 | IB |
| 424.68125 * | IB |

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TABLE 2—CHANNELS AVAILABLE IN BUFFALO, DETROIT AND CLEVELAND AREAS—Continued

| Frequency (MHz) | Pool in which assigned |
|-------------------|------------------------|
| 424.68750 | IB |
| 424.69375 * | IB |
| 424.700 | IB |
| 424.70625 * | IB |
| 424.71250 | IB |
| 424.71875 * | IB |
| 424.725 | IB |
| 424.73125 * | IB |
| 424.73750 | IB |
| 424.74375 * | IB |
| 424.750 | IB |
| 424.75625 * | IB |
| 424.76250 | IB |
| 424.76875 * | IB |
| 424.775 | IB |
| 424.78125 * | IB |
| 424.78750 | IB |
| 424.79375 * | IB |
| 424.800 | IB |
| 424.80625 * | IB |
| 424.81250 | IB |
| 424.81875 * | IB |
| 424.825 | IB |
| 424.83125 * | IB |
| 424.83750 | IB |
| 424.84375 * | IB |
| 424.850 | IB |
| 424.85625 * | IB |
| 424.86250 | IB |
| 424.86875 * | IB |
| 424.875 | IB |
| 424.88125 * | IB |
| 424.88750 | IB |
| 424.89375 * | IB |
| 424.900 | IB |
| 424.90625 * | IB |
| 424.91250 | IB |
| 424.91875 * | IB |
| 424.925 | IB |
| 424.93125 * | IB |
| 424.93750 | IB |
| 424.94375 * | IB |
| 424.950 | IB |
| 424.95625 * | IB |
| 424.96250 | IB |
| 424.96875 * | IB |
| 424.975 | IB |
| 424.98125 * | IB |
| 424.98750 | IB |
| 424.99375 * | IB |
| Single channels: | |
| 425.000 | IB |
| 425.00625 * | IB |
| 425.01250 | IB |
| 425.01875 * | IB |
| 425.025 | IB |
| 425.03125 * | IB |
| 425.03750 | IB |
| 425.04375 * | IB |
| 425.050 | IB |
| 425.05625 * | IB |
| 425.06250 | IB |
| 425.06875 * | IB |
| 425.075 | IB |
| 425.08125 * | IB |
| 425.08750 | IB |
| 425.09375 * | IB |
| 425.100 | IB |
| 425.10625 * | IB |
| 425.11250 | IB |

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TABLE 2—CHANNELS AVAILABLE IN BUFFALO, DETROIT AND CLEVELAND AREAS—Continued

| Frequency (MHz) | Pool in which assigned |
|-------------------|------------------------|
| 425.11875 * | IB |
| 425.125 | IB |
| 425.13125 * | IB |
| 425.13750 | IB |
| 425.14375 * | IB |
| 425.150 | IB |
| 425.15625 * | IB |
| 425.16250 | IB |
| 425.16875 * | IB |
| 425.175 | IB |
| 425.18125 * | IB |
| 425.18750 | IB |
| 425.19375 * | IB |
| 425.200 | IB |
| 425.20625 * | IB |
| 425.21250 | IB |
| 425.21875 * | IB |
| 425.225 | IB |
| 425.23125 * | IB |
| 425.23750 | IB |
| 425.24375 * | IB |
| 425.250 | PS |
| 425.25625 * | PS |
| 425.26250 | PS |
| 425.26875 * | PS |
| 425.275 | PS |
| 425.28125 * | PS |
| 425.28750 | PS |
| 425.29375 * | PS |
| 425.300 | PS |
| 425.30625 * | PS |
| 425.31250 | PS |
| 425.31875 * | PS |
| 425.325 | PS |
| 425.33125 * | PS |
| 425.33750 | PS |
| 425.34375 * | PS |
| 425.350 | PS |
| 425.35625 * | PS |
| 425.36250 | PS |
| 425.36875 * | PS |
| 425.375 | PS |
| 425.38125 * | PS |
| 425.38750 | PS |
| 425.39375 * | PS |
| 425.400 | PS |
| 425.40625 * | PS |
| 425.41250 | PS |
| 425.41875 * | PS |
| 425.425 | PS |
| 425.43125 * | PS |
| 425.43750 | PS |
| 425.44375 * | PS |
| 425.450 | PS |
| 425.45625 * | PS |
| 425.46250 | PS |
| 425.46875 * | PS |
| 425.475 | PS |
| 425.48125 * | PS |

* This frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(b) [Reserved]

(c) Base or control stations shall be located within 48 km (30 miles) of the center of Buffalo or 80 km (50 miles) of the center of Detroit. In Cleveland, base or control stations will be allowed

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at locations north of line A that are within 48 km (30 miles) of the city center. In addition, low power (2 watts or less) base stations may locate within 80 km (50 miles) of the center of Buffalo. The following coordinates shall be used for the centers of these areas (coordinates are referenced to North American Datum 1983 (NAD83)):

| | |
|------------|-----------------------------|
| Buffalo, | 42°52'52.2" North latitude. |
| NY. | 78°52'20.1" West longitude. |
| Cleveland, | 41°29'51.2" North latitude. |
| OH. | 81°41'49.5" West longitude. |
| Detroit, | 42°19'48.1" North latitude. |
| MI. | 83°02'56.7" West longitude. |

(d) Mobile operation shall be confined to within 80 km (50 miles) of the centers of Detroit, Cleveland, or Buffalo.

[52 FR 6156, Mar. 2, 1987, as amended at 54 FR 38681, Sept. 20, 1989; 58 FR 31476, June 3, 1993; 58 FR 44957, Aug. 25, 1993; 60 FR 37269, July 19, 1995; 61 FR 6576, Feb. 21, 1996; 62 FR 18929, Apr. 17, 1997; 63 FR 68965, Dec. 14, 1998]

§ 90.275 Selection and assignment of frequencies in the 421–430 MHz band.

Applicants must specify the frequencies in which the proposed system will operate pursuant to a recommendation by a frequency coordinator certified for the pool in which the requested frequency is assigned.

[62 FR 18932, Apr. 17, 1997]

§ 90.279 Power limitations applicable to the 421–430 MHz band.

(a) Base station authorizations in the 421–430 MHz band will be subject to Effective Radiated Power (ERP) and Effective Antenna Height (EAH) limitations as shown in the table below. ERP is defined as the product of the power supplied to the antenna and its gain relative to a half-wave dipole in a given direction. EAH is calculated by subtracting the Assumed Average Terrain Elevation (AATE) as listed in table 7 of § 90.619 from the antenna height above mean sea level.

LIMITS OF EFFECTIVE RADIATED POWER (ERP) CORRESPONDING TO EFFECTIVE ANTENNA HEIGHTS (EAH) OF BASE STATIONS IN THE 421–430 MHz BAND

| Effective antenna height (EAH) in meters (feet) | Maximum effective radiated power (ERP) (watts) |
|---|--|
| 0–152 (0–500) | 250 |
| Above 152–305 (above 500–1000) | 150 |
| Above 305–457 (above 1000–1500) | 75 |
| Above 457–610 (above 1500–2000) | 40 |
| Above 610–762 (above 2000–2500) | 20 |
| Above 762–914 (above 2500–3000) | 15 |
| Above 914–1219 (above 3000–4000) | 10 |
| Above 1219 (above 4000) | 5 |

(b) The maximum transmitter power output that will be authorized for control stations is 20 watts.

[52 FR 6157, Mar. 2, 1987, as amended at 58 FR 44957, Aug. 25, 1993]

§ 90.281 Restrictions on operational fixed stations in the 421–430 MHz band.

(a) Except for control stations, operational fixed facilities will not be authorized in the 421–430 MHz band. This does not preclude secondary fixed tone signaling and alarm operations authorized in § 90.235.

(b) Control stations associated with one or more mobile relay stations will be authorized only on the assigned frequency of the associated mobile station. Use of a mobile service frequency by a control station of a mobile relay system is subject to the condition that harmful interference shall not be caused to stations of licensees authorized to use the frequency for mobile service communications.

[52 FR 6158, Mar. 2, 1987, as amended at 54 FR 38681, Sept. 20, 1989]

§ 90.283 [Reserved]

Subpart L—Authorization in the Band 470–512 MHz (UHF-TV Sharing)

§ 90.301 Scope.

This subpart governs the authorization and use of frequencies by land mobile stations in the band 470–512 MHz on a geographically shared basis with Television Broadcast stations. Under this